



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/774355
Source: 1 EWO
Date Processed by STIC: 2/25/04

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

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Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 10/08/03



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/774,355

DATE: 02/25/2004

TIME: 15:36:15

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3 <110> APPLICANT: Firestein, Stuart
 4 Zhang, Xinmin
 6 <120> TITLE OF INVENTION: MOUSE OLFACTORY RECEPTOR GENE
 7 SUPERFAMILY
 9 <130> FILE REFERENCE: A34570-PCT-USA-A 070050.2520
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/774,355
 12 <141> CURRENT FILING DATE: 2004-02-06
 14 <150> PRIOR APPLICATION NUMBER: PCT/US02/25556
 15 <151> PRIOR FILING DATE: 2002-08-09
 17 <150> PRIOR APPLICATION NUMBER: 60/311,159
 18 <151> PRIOR FILING DATE: 2001-08-09
 20 <150> PRIOR APPLICATION NUMBER: 60/339,694
 21 <151> PRIOR FILING DATE: 2001-12-12
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 54 <211> LENGTH: 948
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Mus musculus
 58 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

see pp 6-8

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DATE: 02/25/2004

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93 ttcatctact cactagccat tgtagaatcg ggggtcttgc ttgccatgtc ttatgatcga 360
94 tttgttgcca tctgcacacc tctgcattac aactctatcc ttaccaatc cagggtgatg 420
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111 <223> OTHER INFORMATION: MOR1-4

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117 tattatttct taggtatgct ggcagctacg gatcttggag taacattgac caccatgccc 240
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154 atctatctct ttgttccctc aatgctcaac cctgtcatct actccatcaa aaccaaggag 900
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160 <213> ORGANISM: Mus musculus

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163 <223> OTHER INFORMATION: MOR5-1

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168 tgctctaca ccatatccat catgggcaac accaccatcc taactgtcat ccgcacagag 180
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172 tctgttctat tggccatgtc ctttgaccgt tatgtggcca tctgtcgccc actccactat 420
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177 ctcatgttac tctcctatgc acttattctg aaaagtgtcc tgaacacagc cacttggtact 720
178 gaacgactcc gggctctcaa caactgtctg tcccatatgc tagctgttct ggttctctat 780
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180 catgttctca tggccaatat ctatctgtct gcacctctg tgatgaacct catcatttac 900
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216 <223> OTHER INFORMATION: MOR5-2

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PATENT APPLICATION: US/10/774,355

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269 <220> FEATURE:

270 <223> OTHER INFORMATION: MOR31-2

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10/774,355 6

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 of n's

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 another

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 aatactgctc caggaatgaa atagatcact gcctttgctc taacttggg gtcattagtc 540
 tggcctgtga tgatcact gttaacagat tctaccagtt ggcattggcc tggcttgtgg 600
 taggaagtga catgattctg gtctatgctt cttacgcttt gattattcgc tcagtgtga 660
 ggctgaactc cactgaggca gcatctaagg ccctcagcac ctgcagctcc cacctcatcc 720
 tcattatgtt ttactacaca gctattgtta tagtatctgt tactcaccta gcaggaagaa 780
 gggttccctt catccctgtt ctctcaatg tgatgcata tgtcatcctt ccattccctta 840
 acccctgtgt atatgccctt aggacacagg agctgaaagt gggcttccgg aaggttttta 900
 gctgagtga gtttgtgtct aggaag 926

throughout
 sequence
 listing
 This
 sequence
 is a
 sample.

<220>
 line above <223> MOR40-5

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Use of n's or Xaa's (NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.

Use of <220> to <223> is MANDATORY if n's or Xaa's are present.

in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:795; N Pos. 265,266,267,268,269,270,271,272,273,274,275,276,277,278
Seq#:795; N Pos. 279,280,281,282,283,284
Seq#:817; N Pos. 186,187,188,189,190,191,192,193,194,195,196,197,198,199
Seq#:817; N Pos. 200,201,202,203,204,205,206,207,208,209,210,211,212,213
Seq#:817; N Pos. 214,215,216,217,218,219,220,221,222,223,224,225,226,227
Seq#:817; N Pos. 228,229,230,231,232,233,234,235,236,237,238,239,240,241
Seq#:817; N Pos. 242,243,244,245,246,247,248,249,250,251,252,253,254,255
Seq#:817; N Pos. 256,257,258,259,260,261,262,263,264,265,266,267,268,269
Seq#:817; N Pos. 270,271,272,273,274,275,276,277,278,279,280,281,282,283
Seq#:817; N Pos. 284,285,286,287,288,289,290,291,292,293,294,295,296,297
Seq#:817; N Pos. 298,299,300,301,302,303,304,305,306,307,308,309,310,311
Seq#:817; N Pos. 312,313,314,315,316,317,318,319,320,321,322,323,324,325
Seq#:817; N Pos. 326,327,328,329,330,331,332,333,334,335,336,337,338,339
Seq#:817; N Pos. 340,341,342,343,344,345,346,347,348,349,350,351,352,353
Seq#:817; N Pos. 354,355,356,357
Seq#:818; N Pos. 308,309,310,311,312,313,314,315,316,317,318,319,320,321
Seq#:818; N Pos. 322,323,324,325,326,327
Seq#:848; N Pos. 613,614,615,616,617,618,619,620,621,622,623,624,625,626
Seq#:848; N Pos. 627,628,629,630,631,632,633,634,635,636,637,638,639,640
Seq#:848; N Pos. 641,642,643,644,645,646,647,648,649,650,651,652,653,654
Seq#:848; N Pos. 655,656,657,658,659,660,661,662,663,664,665,666,667,668
Seq#:848; N Pos. 669,670,671,672,673,674,675,676,677,678,679,680,681,682
Seq#:848; N Pos. 683,684,685,686,687,688,689,690,691,692,693,694,695,696
Seq#:848; N Pos. 697,698,699,700,701,702,703,704,705,706,707
Seq#:852; N Pos. 213,214,215,216,217,218,219,220,221,222,223,224,225,226
Seq#:852; N Pos. 227,228,229,230,231,232,233,234,235,236,237,238,239,240
Seq#:852; N Pos. 241,242,243,244,245,246,247,248,249,250,251,252,253,254
Seq#:852; N Pos. 255,256,257,258,259,260,261,262,263,264,265,266,267,268
Seq#:852; N Pos. 269,270,271,272,273,274,275,276,277,278,279,280,281,282
Seq#:852; N Pos. 283,284,285,286,287,288,289,290,291,292,293,294,295,296
Seq#:852; N Pos. 297,298,299,300,301,302,303,304,305,306,307,308,309,310
Seq#:852; N Pos. 311,312,313,314,315,316,317,318,319,320,321,322,323,324
Seq#:852; N Pos. 325,326,327,328,329,330,331,332,333,334,335,336,337,338
Seq#:852; N Pos. 339,340,341,342,343,344,345,346,347,348,349,350
Seq#:856; N Pos. 558,559,560,561,562,563,564,565,566,567,568,569,570,571
Seq#:856; N Pos. 572,573,574,575,576,577
Seq#:858; N Pos. 691,692,693,694,695,696,697,698,699,700,701,702,703,704
Seq#:858; N Pos. 705,706,707,708,709,710,711,712,713,714,715,716,717,718
Seq#:858; N Pos. 719,720,721,722,723,724,725,726,727,728,729,730,731,732
Seq#:858; N Pos. 733,734,735,736,737,738,739,740,741,742,743,744,745,746
Seq#:858; N Pos. 747,748,749,750,751,752,753,754,755,756,757,758,759,760
Seq#:858; N Pos. 761,762,763,764,765,766,767,768,769,770,771,772,773,774
Seq#:858; N Pos. 775,776,777,778,779,780,781,782,783,784,785,786,787,788

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Seq#:858; N Pos. 789,790,791,792,793,794,795,796,797,798,799,800,801,802
Seq#:858; N Pos. 803,804,805,806,807,808,809,810,811,812,813,814,815,816
Seq#:858; N Pos. 817,818,819,820,821,822,823,824,825,826,827,828,829,830
Seq#:858; N Pos. 831,832
Seq#:859; N Pos. 597,598,599,600,601,602,603,604,605,606,607,608,609,610
Seq#:859; N Pos. 611,612,613,614,615,616,617,618,619,620,621,622,623,624
Seq#:859; N Pos. 625,626,627,628,629,630,631,632,633,634,635,636,637,638
Seq#:859; N Pos. 639,640,641,642,643,644,645,646,647,648,649,650,651,652

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L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:20778 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:20779 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:20787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:795 after pos.:240
L:21335 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:21336 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:21343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:817 after pos.:180
M:341 Repeated in SeqNo=817
L:21365 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:21366 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:21375 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:818 after pos.:300
L:22100 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22101 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:848 after pos.:600
M:341 Repeated in SeqNo=848
L:22197 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22198 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:852 after pos.:180
M:341 Repeated in SeqNo=852
L:22291 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22292 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:856 after pos.:540
L:22344 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22345 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:858 after pos.:660
M:341 Repeated in SeqNo=858
L:22376 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22377 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:859 after pos.:540
M:341 Repeated in SeqNo=859
L:22406 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22407 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:860 after pos.:600
L:22437 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22438 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:861 after pos.:240
M:341 Repeated in SeqNo=861
L:22467 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22468 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22477 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:862 after pos.:300
M:341 Repeated in SeqNo=862
L:22517 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22518 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22529 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:864 after pos.:420
M:341 Repeated in SeqNo=864
L:22590 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22591 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:867 after pos.:240

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M:341 Repeated in SeqNo=867
L:22827 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22828 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22837 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:877 after pos.:300
M:341 Repeated in SeqNo=877
L:22886 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22887 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:879 after pos.:480
M:341 Repeated in SeqNo=879
L:22914 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:22915 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:22924 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:880 after pos.:300
M:341 Repeated in SeqNo=880
L:23071 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23072 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:886 after pos.:480
M:341 Repeated in SeqNo=886
L:23174 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23175 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:890 after pos.:360
M:341 Repeated in SeqNo=890
L:23364 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23365 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:897 after pos.:660
M:341 Repeated in SeqNo=897
L:23394 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23395 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:898 after pos.:600
L:23449 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23450 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:900 after pos.:420
L:23586 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23587 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:905 after pos.:420
M:341 Repeated in SeqNo=905
L:23641 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23642 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:907 after pos.:480
M:341 Repeated in SeqNo=907
L:23689 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23690 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23698 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:909 after pos.:240
L:23719 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:23720 M:281 W: Numeric Fields not Ordered, <222> Sort in ascending order!
L:23736 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:910 after pos.:720
M:341 Repeated in SeqNo=910
L:23796 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:913 after pos.:360
L:24095 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:925 after pos.:420
L:24172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:928 after pos.:240

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M:341 Repeated in SeqNo=928

L:24387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:937 after pos.:0

M:341 Repeated in SeqNo=937

L:24422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:938 after pos.:240

L:24505 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:941

L:24505 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:941

L:27062 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1048

L:27062 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1048

L:30898 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:1205

L:30898 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:1205

L:74162 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2152

L:74259 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2154

L:75100 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2173

L:75211 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2175

L:75549 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2182

L:76237 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2196

L:77987 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2235

L:78208 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:2239

L:81613 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2321

L:88227 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2477